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insect pests which trouble trees is the starts to enter the apple.

simply rough bark.

to possibly as large almost as the end som ends close The scale forms inof a lead pencil. moved with the back of a knife blade or other blunt instrument. Scraping the surface of infected bark, the soft, yellowish insects are revealed. the fruit or light colored bark the scale is surrounded by a reddish spot, which makes identification easy. is the young, half grown insects which survive severe winters and reproduce the following spring.

Trees Injured by Scale.

Apple, peach, plum, quince, cherry and pear trees are injured by scale, which also troubles Illac and other flowering shrubs and shade trees. The remedy is winter spraying while the trees are dormant. Summer spraying for scale injures the trees. First

prune the trees to be sprayed and promptly burn all the pruned wood. Rough bark should be scraped off in order to reach the scale that may

Badly infected trees may require two sprayings, the first given at once and the last spraying just before the buds commence to swell. Every part of the tree must be wet, so as to destroy all the insects.

Lime sulphur is the spray generally used for scale. It kills the scale and aids in the control of fungous diseases, Miscible oils, that is oils capable of being mixed with other liquids, are also effective. In bad cases, where scale has not been discovered until the foliis on the trees, may be held in

cality.

one pound to six gallons of water. Well cared for trees, systematically

Aphie or Plant Lice.

res 16 gallons of spray. Compound ready to with water with water and time ballons, 30 cents per gallons, 30 ce whitish cottony substance.

are small greenish insects, sometimes Plum corculto attacks plum, apide,

from the bodies of the lice.

The remedy is spraying with whale oil soap, one pound to six* gallons of water; kerosene emulsion, 10 per cent. Strength or tolknow extracts. strength, or tobacco extracts. Spray Thorough tillage during July and tunnels throughout the fruit, causing The University of California advises tant work to be done later and well protected by the curled leaves.

called the apple worm. The adult moth

Appears in the spring, lays its eggs on appears in the spring, lays its eggs on the orchard and gather all fallen fruit the leaves or small apples soon after and destroy it. this fact is taken advantage of for many of the insects to drop, and they many and summer. The egg control. Arsenate of lead is sprayed are caught in catchers made of can-masses are laid on the twigs, forming

Free Your Trees From Disease and Insects— Be prepared against insects and disease

which will attempt to destroy your trees and shrubbery. Spraying the trees at the proper time and with the proper tools and remedies will keep

them strong and healthy. Our "Spraying Calendar"

has been prepared for your use. It gives valuable information when and what to spray. Write or call for it-Our line of spraying appliances, pruning tools, saws,

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moth should be made when the calyx on the trees. San Jose scale is a small, circular, is open and extended so the poison grayish colored scale insect, varying can be forced into the blossom end of from the size of the top of a pinhead the young apple and before the blossom end of Bud Moth.

Painting the trunks of the trees turely. On fruit it causes small circular dark spots which grow and form

sect to kill trees before the owner is as soon as the blossoms fall spray lead, four pounds to fifty gallons of aware of its presence. It will not be with arsenate of lead, two or three water, will destroy the caterpillars borer is cut him out with a sharp second can be applied without loss of time."

The only effective remedy for the borer is cut him out with a sharp second can be applied without loss of time."

pillars one-quarter to one-half inch seed oil is recommended for borers. J. Horace McFarland in "My Grow- long, attacking young terminal leaf Make the mixture the consistency of the fruit to crack open. Scab is worse

and another in the autumn. They are and there are also peach tree and again and apply a thick coat of as-When the worms enter the apple small caterpillars from three-quarters other borers. Soft maple trees and phaltum. Material is applied warm San Jose scale. Left to flourish it they attack the core, remaining in the of an inch to an inch long, the color birch trees are subject to their at-

ing the young wood and twigs very peat application two or three sweeks glefoot or other sticky substance, or borers as soon as possible after they closely. Many in examining their later.

Cosely. Many in examining their later.**

**Coston, around the tree trunks will enter. A stiff wire can also be used trees see the scale but consider them The first application for the coddling keep the wingless female from getting to push up the hole and kill the borer. Go over all trees during April and blossoms, causing small circular spots again in the autumn.



and scurfy scale.

Stamens crowd closely upon the pisWhen these scales are persistent and tils, closing up the heart of the flower stamens crowd closely upon the pis- open. present in large numbers they should that is to be the heart of the fruit, be sprayed when the young, minute. But when the winds have blown the May, depending on the season and lo-cality. Kerosene emulsion may be used at 15 per cent, strength, or whale oil soap, one pound to six gallons of water.

Stigmas: when the petals, no longer useful in color and odor to advertise the honey that is to pay the bee for his help, have just fallen; when the SURE CURE FOR SAN JOSE SCALE sprayed, these insects will give little heart of the flower—that is, an appleto-be-is open, then is the time the There are two forms of the woolly into the calyx, to live there as the

> Spraying with kerosene emulsion, 10 upon the fertilized ovaries, and if no per cent. strength, or tobacco extracts will control to form the is shell tered and fed at your expense."

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are small greenish insects, sometimes assuming pinkish or even an almost black color. They suck the juice from the foliage, feeding usually on the under side of the leaves, causing the foliage to curl up, dry and drop. Ants are likely to be associated with plant lice, as they in turn suck the juices from the bodies of the lice.

Plum enreallo attacks plom, apple, beach, pear and quince. It is a small graylish brown beetle. It makes a small crescent shaped cut on the fruit, under which it lays its egg. When the egg hatches the larva, a common white worm found in apples, plums, peaches, &c., feeds on the fruit, causing it to drop. It remains in the fruit.

August will kill many of the insects the apples to fall. Summer and early the use of asphaltum for the peach when they are in the pupal stage.

Thorough things during July and tunnels throughout the Irun, causing the use of asphaltum for the peach autumn apples suffer especially from the use of asphaltum for the peach autumn apples suffer especially from the peach autumn apples. the insects with spray when they are For apples, the first codling moth this insect, spray just after the bloom falls and All fallen apples should be gaththe second spray two or three weeks ered and destroyed every two or three. The directions given by the Univer

paid experienced reputable Agents for sell-ing our far-famed Nursery Products. Our blue prints, color designs and specifications furnished free of charge are a great advan-furnished free of charge are a great advan-tage for our Selesmen. Business Estabdestroyed by hot water or kerosene

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Landscape Architects.

General Gener blossoms fall. Add to this milk of lime, made by mixing four pounds of fresh slaked lime with sufficient water trolled by the general spraying adto dissolve it. Add this to each fifty vised and summarized below. gallons of the arsenate of lead soluion to prevent the burning of the foliage. Spray again two weeks later with the same solution. This second spray is the most important and should

thoroughly coat the fruit. Canker Worm.

There are two species of canker

to B GARDEN, is Spring you will again think of the my Beautiful." Also the means of oxing your grounds and gardens, service a unusual and complete. Why are one of our landscape experts go your planting problems with your will give you competent advice, or the plant to emphasize the hearty of place the charge is nothing. In more than 600 acres under active atom, ware able to make selection. (ALLY Folt VOI from our immense

ATTENTION AMERICAN NURSERY CO. SINGER BI.DG., N. Y. Nurserias Flushing, N. Y. and Springfield, N. J.

Small white maggets about one- been cut out with white lead and raw

will kill young trees in two or three years, and old trees should be sprayed out through the side, which spoils the every year to keep scale under control.

It is a common thing for this in
they attack the core, remaining in the of an inch to an inch long, the color warying from yellow to brown and yearing from yellow to brown and they from yellow to brown and spraying from yellow to brown and they from yellow to brown and shade trees.

Thorough they attack the core, remaining in the of an inch to an inch long, the color to brown and spraying from yellow to brown and shade trees.

Thorough cultivation is a good prediction of the bark is an indication of the bark is

Apple scab attacks fruit leaves and on leaves, making them drop premabrown or black scabby spots, causing crustations on the branches, easily re- ing Garden" puts the matter aptly; buds and blossoms. Where lime sul- thick house paint and apply early in during wet, cool seasons. Scab makes the fruit unfit for use and seriously reduces the vitality of the tree.

The best remedy is to dilute com mercial lime-sulphur with two pounds of arsenate of lead. Spray just before the blossom buds begin to open; spray again just after the blossom petals fall, beginning when two-thirds of the blossoms have fallen, and spray again two weeks after the petals fall. Sprabefore rains, not after.

Bitter Rot and Blotch.

Bitter rot is most common in the Small pale brown specks, becoming larger and darker on the fruit. On the limbs the disease appears as blong, irregular sunken cankers covred with cracked bark.

dong, irregular sunken cankers coved with cracked bark.

In winter cut off and burn all cankIn winter cut off and burn all cankfrom the deadly frosters and all mummied apples. Spray ight weeks after the blossoms fall with Bordeaux mixture 4-5-50 (see explanation below). Two weeks later Author and Experienced Poultry- fifteen spray again. In moist, damp seasons may be necessary to spray again

on apples. On twigs it causes a cankerous growth and small light brown are not at all essential for best results results materialize."

I talked with my new spots on the leaves. Flyspeck fungus and sooty blotch cause small black dots on the fruit looking like small piles of soot.

The spots of the leaves of soot.

A hen is the most accommodating president. He's through 1 sail through 1

out all cankers on trees and



Copyrighted From 'My Growing Garden." Published by permission of the Marmillan Company III .- Calyx, open and relaxed. Just right for spraying. IV .- Calyx, yet open; still right.

The coddling moth is a whitish or pinkish caterpillar half to three-quarters of an inch in length, commonly content about the solution of the codding moth is a whitish or pinkish caterpillar half to three-quarters of an inch in length, commonly content about the solution of the codding moth there is little trouble that the codding moth there is little trouble.

Tent Caterpillars.

Long. hairy caterpillars, about two slightest pressure. Four years of exblooming time. The young caterpillars On plum trees the practice of jarring inches long when full grown, dark, perimenting have not shown the leas are at first only about one-sixteenth the trees is used by many orchardists, with a white stripe down the back, injury, of an inch in length and enter the This consists of rapping the trunk of Weave silken tents or webs on the "Direction of the consists of rapping the trunk of the consists of the consists of rapping the trunk of the consists of the consists of rapping the trunk of the consists of the consists of rapping the trunk of the consists of the consi apple usually at the blossom end, and the tree with a padded mallet, causing branches or in crotches of trees dur- soil away from the trees and dig the

Borers. There are two species of apple tree

PURE COUNTRY HONEY—10 ib. bucket, \$1.75; 5 lbs. 95 cents; delivered by par-cels post; satisfaction guaranteed. F. J. STRITTMATTER & WIPE, Ebensburg, Pa.

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autumn apples suffer especially from tice borer, and if effective on peach dertaking from morning until night, trees it is certainly worth trying on day after day.

> "Hard asphaltum, grade C and D. partly infested trees. Asphaltum doe not penetrate, crack, deteriorate or bind the tree, since it yields to the

"Directions: In the fall throw t

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of this fruit that will bear quick. ontinue to bear until frost. They ulway our the first year. The very thing for you vindow or greenhouse or to plant in protected places in your garden. Price, single plants by mail, 35c., three for \$1, with full directions.

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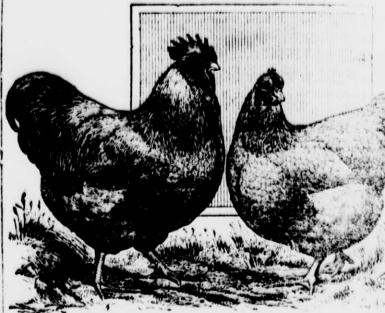
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PLENTY OF SPACE AND LIGHT NEEDED

Hens Will Pay Much Better if be kept constantly be food should be furns Under Conditions They

By G. R. SMITH. man.

This is the first thought: Where shall fancy Blotch makes irregular dark spots I keep the birds? It is the first neces- time on apples. On twigs it causes a can- sity. But large space and large houses and caressing your little

a thousand acre run, but if you will deaux mixture 3-4-50, with arsenate of lead, as recommended for apple

on peace trees all gum should be removed from the wood when the trees are gone over in the autumn painting the wounds where the borers have been cut out with white lead and raw linseed oil.

Success in gardening and farming lies not so much in the more impor-

moment of day and night while the ties of the little ben from every agest thermometer ranged from forty above time and practical point of view and a zero to ten below—and yet 621 of those eggs were laid during those three winter months. In the warm weather the ter months. In the warm weather the birds had the run of a yard about fifteen by twenty feet in size.

Get as much surlight into the henhouse as possible. The hens glory in it. Arrange the windows so that the rays from old Sol will each day hit every square inch of floor space if possible. The more sun the more eggs. And remember, the birds must have fresh air: the open front house is the dewn-to-date. the open front house is the down-to-date house. This means open windows during the quiet days of winter, even at

smallpox for yourself.

Alm for convenience in every part of the henhouse. Whether you have a smooth board floor, a floor of concrete, or just plain dirt, make the roof high enough to enable a man six feet high to stand upright under it without damaging either his head or the rafters. Three times in one day a man may bump his head and keep his temper and his either and keep his temper and his eithe was surfacesful in England breeding fowl that would lay in thusiasm; but there are few men on this continent who can stay in the business after 365 such experiences in one year.

One nest to every four hers may be one nest to every four hens may be taken as the rule. Make them convenient for both the hens and the care-taker. They lay box

Be a sport in the best sense of the will become bro Be a sport in the best sense of the term—or, be a fancier if you prefer that word. Whatever you call it, get a red hot enthusiasm over this little side line on your home half acre. Begin to read everything you can find on the subject. "Poultry Culture" is booming everywhere. Search for the "thrills" if you want to get the best out of this business.

One man likes a big, slow, so cable sort of a fowl; he can find what he wants among the hundred or more different breeds and varieties. Another man admires a small, quick, wiry bird; he can please himself from many different classes. Many prefer a "general purpose" breed, and they too, can be abundantly accommodated. From the little bantam hen weighing from 16 to 20 ounces up to the great Brahma birds. graphic illustrations of leaves, fruits and barks of our various trees with that weigh from 12 to 15 pounds apiece.

the "Handbook of the Trees of the Northern States and Canada," by Romeyn Beck Hough, published by the author. Lowville, N. Y.

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That weigh from 12 to 15 pounds apiece, there is plenty of room to choose.

Get an ideal 1 mean get it in your mind. Study every breed and all breeds, and then think what you want. Visit poultry shows. Study illustrated poultry shooks. When you have decided delimitely what you want, which you like to put a few dollars into the purchase of the fowls you really fathey. If you have a fifty cent enthusiasm, You will get out of your fowls in satisfaction what you have a some fifty cent enthusiasm. You will get out of your fowls in satisfaction what you have a some fifty cent enthusiasm. You will get out of your fowls in satisfaction what you of your fowls in satisfaction what you put into them in study and zeal and

Pon't assume that you know it ail at first, there's more about this poultry first, there's more about this poultry subject than you and I have dreamed of Expect to learn. Look for some bowledge-ing disappointments. If you are unsophisticated there is plenty of fin ahead of you. A man needs plenty of grit and gumption to play the poultry game in fine form. Better not swing in too deeply at first. Get your bearings, be sure you know they are the sure you know they are the sure of the you know, then go ahead.

Almost everything depends on the car-of the flock. The best hens in the world will not lay in winter without wise at-tention to feed and comfort and exercise. tention to feed and comfort and exercise. The house must be kept perfectly dry, have no wetness under feet or dampness overhead. Good ventilation will care for this largely. Plenty of mee, clean litter of straw or other similar substance from six to eight inches deep on the floor is an absolute necessity. Into the litter various kinds of grain should be scattered every day. The hens will dig every kernel of it out. Examine the litter frequently to see whether it has been overloaded with grain.

overloaded with grain.

In thus carning their wheat by the sweat of their shanks the birds will keep in the bloom of health, and seems and eggs will seen be forthcoming, provided of course other things are booked after as carefully. Pure water must be kept constantly before them in one of the best patent drinking fountains you can

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mean bad language clippings from the law

from the cellar, or, b winter, sprouted oats. about fourteen hours adjustable curtain sl

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